



Image may be representation.
See specifications for product details.



PIC18F56K42-I/PT

Manufacturer Part Number **PIC18F56K42-I/PT**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-PIC18F56K42-I/PT**

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description **IC MCU 8BIT 64KB FLASH 48TQFP**

Package **48-TQFP Exposed Pad**

Data sheet **[PIC18\(L\)F26 to 57K42 Datasheet.pdf](#)**

[PIC18\(L\)F26 to 57K42 Datasheet.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

PIC18F56K42-I/PT - Microchip Technology. New Original in Stock. Download Linear Technology PIC18F56K42-I/PT datasheet/specifications on AllelcoElec.com.
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Specifications

PIC18F56K42-I/PT Tech Specifications

PIC18F56K42-I/PT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-TQFP-EP (7x7)	Number of I/O	44
Speed	64MHz	Mounting Type	Surface Mount
Series	PIC® XLP™ 18K	EEPROM Size	1K x 8
RAM Size	4K x 8	Data Converters	A/D 43x12b; D/A 1x5b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	PIC
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	48-TQFP Exposed Pad	Base Product Number	PIC18F56
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology PIC18F56K42-I/PT

Product Attribute				
Part Number	PIC18F56K42-I/PT	PIC18F6490T-I/PT	PIC18F6310-I/PT	PIC18F63J90-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Peripherals	Brown-out Detect/Reset, LVD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, LCD, POR, PWM, WDT	Brown-out Detect/Reset, HLVD, POR, PWM, WDT	Brown-out Detect/Reset, LCD, LVD, POR, PWM, WDT
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Speed	64MHz	40MHz	40MHz	40MHz
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	48-TQFP Exposed Pad	64-TQFP	64-TQFP	64-TQFP
EEPROM Size	1K x 8	-	-	-
Series	PIC® XLP™ 18K	PIC® 18F	PIC® 18F	PIC® 18J
Core Processor	PIC	PIC	PIC	PIC
Data Converters	A/D 43x12b; D/A 1x5b	A/D 12x10b	A/D 12x10b	A/D 12x10b
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	2.3V ~ 5.5V	4.2V ~ 5.5V	4.2V ~ 5.5V	2V ~ 3.6V
Package	Tray	Tape & Reel (TR)	Tray	Tray
Number of I/O	44	50	54	51
Program Memory Size	64KB (32K x 16)	16KB (8K x 16)	8KB (4K x 16)	8KB (4K x 16)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	Internal	Internal	Internal	Internal
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
RAM Size	4K x 8	768 x 8	768 x 8	1K x 8
Supplier Device Package	48-TQFP-EP (7x7)	64-TQFP (10x10)	64-TQFP (10x10)	64-TQFP (10x10)
Base Product Number	PIC18F56	PIC18F6490	PIC18F6310	PIC18F63

PIC18F56K42-I/PT Datasheet PDF

Download PIC18F56K42-I/PT pdf datasheets and Microchip Technology documentation for PIC18F56K42-I/PT - Microchip Technology.

Datasheets

PIC18(L)F26 to 57K42 Datasheet.pdf

PCN Packaging

MBB/Label Chgs 16/Nov/2018.pdf

HTML Datasheet

PIC18(L)F26 to 57K42 Datasheet.pdf

PCN Design/Specification

PIC18(L)F26/27/45/46/47/55/56/57K42
11/Nov/2020.pdf

PIC18(L)F26/27/45/46/47/55/56/57K42
25/Sep/2018.pdf

PCN Assembly/Origin

PIC16/PIC18 03/Jun/2019.pdf

Customers Also Interested in

Recommended Products



PIC18F6490T-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



PIC18F6310-I/PT

Microchip Technology
IC MCU 8BIT 8KB FLASH 64TQFP



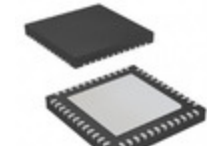
PIC18F63J90-I/PT

Microchip Technology
IC MCU 8BIT 8KB FLASH 64TQFP



PIC18F6490-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



PIC18F57Q43-I/6LX

Microchip Technology
IC MCU 8BIT 128KB FLASH 48VQFN



PIC18F47Q84-I/P

Microchip Technology
IC MCU 8BIT 128KB FLASH 40DIP



PIC18F47K40-I/PT

Microchip Technology
IC MCU 8BIT 128KB FLASH 44TQFP



PIC18F6390-I/PT

Microchip Technology
IC MCU 8BIT 8KB FLASH 64TQFP



PIC18F47Q83-E/P

Microchip Technology
IC MCU 8BIT 128KB FLASH 40DIP



PIC18F47K42T-I/MV

Microchip Technology
IC MCU 8BIT 128KB FLASH 40UQFN



PIC18F47Q84-E/PT

Microchip Technology
IC MCU 8BIT 128KB FLASH 44TQFP



PIC18F6493-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



PIC18F47K40-I/P

Microchip Technology
IC MCU 8BIT 128KB FLASH 40DIP



PIC18F47Q10-I/PT

Microchip Technology
IC MCU 8BIT 128KB FLASH 44TQFP



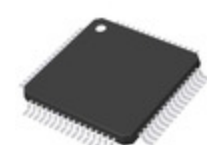
PIC18F47Q84-I/PT

Microchip Technology
IC MCU 8BIT 128KB FLASH 44TQFP



PIC18F6410-I/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



PIC18F6410-E/PT

Microchip Technology
IC MCU 8BIT 16KB FLASH 64TQFP



PIC18F47K42-I/MV

Microchip Technology
IC MCU 8BIT 128KB FLASH 40UQFN

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



View More

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